

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001038

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61K 39/39

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9611711 A1 (ISCOTEC AB), 25 April 1996 (25.04.1996), see specially page 8, table 1 and the last paragraph ---	1-14
X	Johansson, Margaretha et al, "Iscoms with different quillaja saponin components differ in their immunomodulating activities", Vaccine, 1999, vol. 17, page 2894 - page 2900, see the whole document and specially page 2899, column 1, lines 13-16 and lines 32-34 ---	1-14

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another situation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 October 2004

Date of mailing of the international search report

01-11-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Micael Owald/Eö
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001038

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Behboudi S. et al, "Quillaja Saponin Formulations that Stimulate Proinflammatory Cytokines Elicit a Potent Acquired Cell-Mediated Immunity", Scand. J. Immunol., 1999, vol. 50, page 371 - page 377, see the whole document and specially page 376, column 12, last two paragraphs --	1-14
A	Ekström, Jill et al, "Iscom and iscom-matrix enhance by intranasal route the IgA response to OVA and rCTB in local and remote mucosal secretions", Vaccine, 1999, vol. 17, page 2690 - page 2701 --	1-14
A	WO 9003184 A1 (MOREIN, BROR ET AL), 5 April 1990 (05.04.1990) -----	1-14

INTERNATIONAL SEARCH REPORT
Information on patent family members

03/09/2004

International application No.

PCT/SE 2004/001038

WO	9611711	A1	25/04/1996	AT	210463	T	15/12/2001
				AU	686891	B	12/02/1998
				AU	3644495	A	06/05/1996
				AU	PM873294	D	00/00/0000
				CA	2201611	A	25/04/1996
				DE	69524624	D,T	16/05/2002
				EP	0785802	A,B	30/07/1997
				SE	0785802	T3	
				FI	971498	A	10/06/1997
				JP	10508301	T	18/08/1998
				NO	971622	A	10/06/1997
				NZ	293882	A	25/02/1999
				NZ	333608	A	30/03/2001
				US	6352697	B	05/03/2002
				ZA	9508600	A	14/04/1997
<hr/>							
WO	9003184	A1	05/04/1990	AT	109662	T	15/08/1994
				AU	632067	B	17/12/1992
				AU	4337489	A	18/04/1990
				CA	1338888	A,C	04/02/1997
				DE	68917474	D,T	16/03/1995
				DK	55891	A	29/05/1991
				EP	0436620	A,B	17/07/1991
				SE	0436620	T3	
				ES	2029758	A	01/09/1992
				FI	911537	D	00/00/0000
				HU	56722	A	28/10/1991
				HU	895758	D	00/00/0000
				IE	65428	B	01/11/1995
				IE	893066	L	30/03/1990
				JP	2501650	B	29/05/1996
				JP	4501714	T	26/03/1992
				NO	911049	A	03/05/1991
				NZ	230747	A	26/05/1992
				PT	91856	A,B	30/03/1990
				RU	2120302	C	20/10/1998
				SE	8901027	D	00/00/0000
				US	5679354	A	21/10/1997
				SE	8902780	D	00/00/0000
				ZA	8907217	A	27/06/1990